

<110> WEI, CHUANZHONG ET AL. <120> A piezoelectric biochip for the detection of the BSE pathogen and the preparation method thereof IEC030012PUS <130> us 10/523,174 <140> 2003-05-22 <141> <150> CN 02133567.2 2002-07-31 <151> <160> 4 <170> PatentIn version 3.1 <210> 1 <211> <212> 44 PRT <213> artificial sequence <220> N-terminal amino acid sequence of PrP <223> <400> Met Val Lys Ser His Ile Gly Ser Trp Ile Leu Val Leu Phe Val Val Ala Met Trp Ser Asp Val Gly Leu Cys Lys Lys Arg Pro Lys Pro Gly 20 25 30 Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly
35 40 <210> 43 <211> <212> PRT artificial sequence <213> N-terminal amino acid sequence of PrP <223> <400> 2 Gly Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp

10 15 Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Trp 20 25 30 Gly Gln Pro His Gly Gly Gln Gly Gln Pro

```
IEC030012PUS_OA of Sep 112007_Sequence Listing.txt <210> 3  
<211> 43  
<212> PRT  
<213> artificial sequence
```

<220>
<223> N-terminal amino acid sequence of PrP

<400> 3

Gly Gly Gly Gly Gly Gln Gly Gly Ser His Ser Gln Trp Asn Lys $1 \hspace{1cm} 10 \hspace{1cm} 15$

Pro Ser Lys Pro Pro Lys Thr Asn Met Lys His Val Ala Gly Ala Ala 20 25 30

Ala Gly Ala Val Val Gly Gly Leu Ser Gly Tyr 35 40

<210> 4 <211> 46 <212> PRT <213> artificial sequence

<220> <223> N-terminal amino acid sequence of PrP <400> 4

Met Leu Gly Ser Ala Met Ser Ser Pro Leu Ile His Phe Gly Asn Asp $1 \hspace{1cm} 10 \hspace{1cm} 15$

Tyr Glu Asp Arg Tyr Thr Arg Glu Asn Met Tyr Arg Tyr Pro Asn Gln 20 25 30

Val Tyr Tyr Arg Pro Val Asp Arg Tyr Ser Asn Gln Asn Asn 35 40 45